



Leaders in Specialty Gas Solutions

CAC
GAS&INSTRUMENTATION

Calibration Gases for
Breath Alcohol Testing

CAC GAS provides ethanol gas mixtures to calibrate breath alcohol instruments used by law enforcement agencies; and in industrial & mining workplaces for worker safety.

Our ISO 17025 gases are manufactured to the highest quality, traceability and reliability. CAC stocks ethanol mixtures in both Sydney and Singapore.

With a 3 year shelf life, custom or standard gas mixtures are available in a variety of cylinder sizes. All of our cylinders have been approved internationally by ISO1118 and ISO7866. Our cylinders can be easily recycled through our recycling partners.



Ethanol gas mixtures are available in three main cylinder sizes. Smaller, portable cylinders include our 34DA (34 litres of gas) and 103DS (103 litres of gas) with C10 valves. These are ideal for calibrating and testing breath alcohol detectors which portability is required.

The small 58DM (58 litres) cylinder is a specialised cylinder which can be used inside fixed breath alcohol test stations.

Our 552DS (552 litre) cylinder is a high pressure cylinder providing a solution for in-house calibrations where larger gas volumes are required.

Ethanol Mixtures

Cylinder	Volume	Size	Valve	Pressure	Accreditation
34DA	34 litres	289mm x 76mm	C10	35 bar	ISO17025
103DS	103 litres	352mm x 83mm	C10	70 bar	ISO17025
58DM	58 litres	204mm x 83mm	C10	70 bar	ISO17025
552LV	552 litres	734mm x 111mm	CGA-350	139 bar	ISO17025

BrAC% to PPM Conversion

%BrAC	0.02	0.03	0.038	0.04	0.045	0.05	0.051	0.053	0.073	0.08	0.085	0.10	0.105	0.18	0.20	0.25	0.30	0.38
PPM	52.1	78.1	99	104.2	117.2	130.3	130.9	138.1	191.1	208.4	221.4	260.5	273.5	468.9	521	651.3	781.5	989.9

Regulators for the 103DS & 34DA Cylinders

FF-100: Flow Regulator with a C10 Valve.

Available in either nickel plated brass or stainless steel and in a variety of fixed flow rates. The FF-100 has an easy on/off dial and gauge to determine cylinder volume.

VAF-100: Variable Flow Regulator with a C10 Valve.

The VAF-100 Series of Vari-Flow Regulators are designed for technicians who must calibrate multiple instruments with different flow rates. They can be used for most applications where a specific flow rate is required.

VAF-100-8 (0-8LPM) (0, 0.3, 0.5, 1, 1.5, 2, 3, 5, 6, 8)

VAF-100-15 (0-15LPM) (0, 0.5, 1, 2, 3, 5, 8, 10, 13, 15)



Regulators for the 552 Cylinders



FF-200 Fixed Flow Regulator with CGA-350 Connector

The FF-200 Series is designed to be connected directly on high pressure speciality gas mixtures. Ideal for manual calibration of gas detection instruments of gas analysers where a constant flow rate is required.

There are 2 options within the FF-200 Series: the FF-200 in nickel plated brass and the FF-200SS in stainless steel.



VAF-200 Variable Flow High Pressure Regulator with CGA-350 Connector

The Variable Flow Regulator has nine different flow rates providing an excellent tool for service facilities where multiple flow rates are required. Suitable for non corrosive gases and low concentration corrosive gases.



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